

Installation Instructions: VIB-ISO RAIL (VIR)

Required Tools:

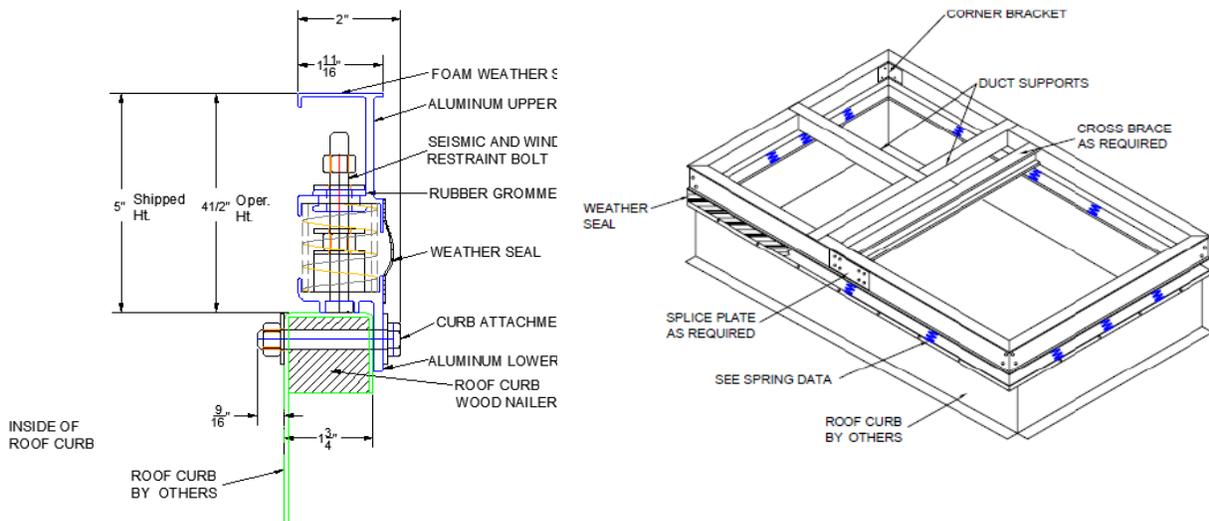
- Hand drill with 1/2" drill bit
- 9/16" open end wrench
- 9/16" socket wrench
- 3/8" socket wrench
- Scissors
- Razor blade
- Level

Supplied Parts:

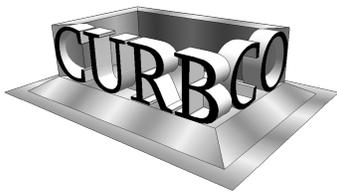
- Rail assemblies
- 3/8" by 2 1/4" curb attachment bolts with washer and nut
- Corner bracket
- #14 by 1" Tek screw
- Neoprene foam tape
- Seal material
- Additional springs

Step by Step Instructions:

1. Read the entire installation instructions before assembling the VIR.
2. Install the roof curb in its designed location and roof up to the nailer.
3. Make sure that all four sides of the sheet metal roof curb are level before going to the next step.

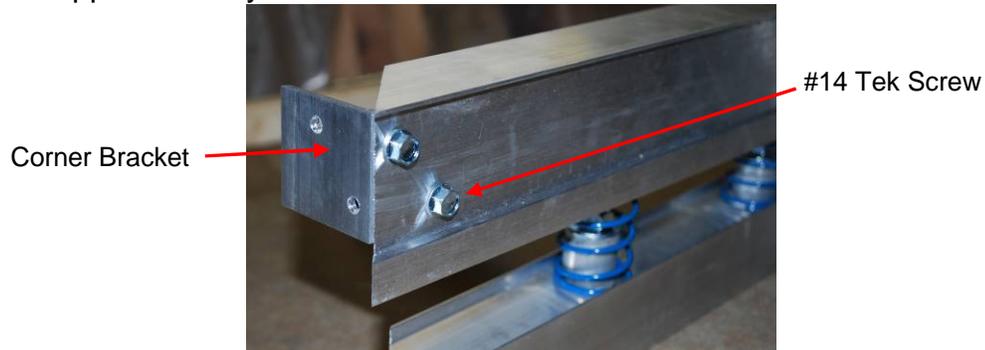


4. Along the top surface of the curb where the VIR will be sitting, place the supplied 3/4" wide neoprene foam tape. This tape is used to ensure a good seal between the curb and the isolation rail.
5. Place each rail one at a time in its designed location (look at submittal for orientation to supply duct, return duct or condenser end), line up the VIR



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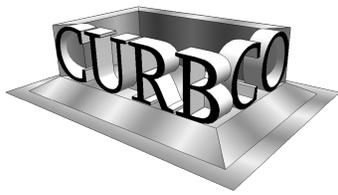
- with the top of the curb, and drill the mounting hole locations as shown below with a 1/2" drill bit. Repeat this for all four sides.
- Rails will be marked A, B, C and D as shown on submittal drawing. Attach rails A and C using the 3/8" curb attachment bolts supplied (do NOT fully tighten bolts).
 - Attach 2 corner brackets to rail B and two corner brackets to rail D using the supplied #14 by 1" Tek screws as shown.



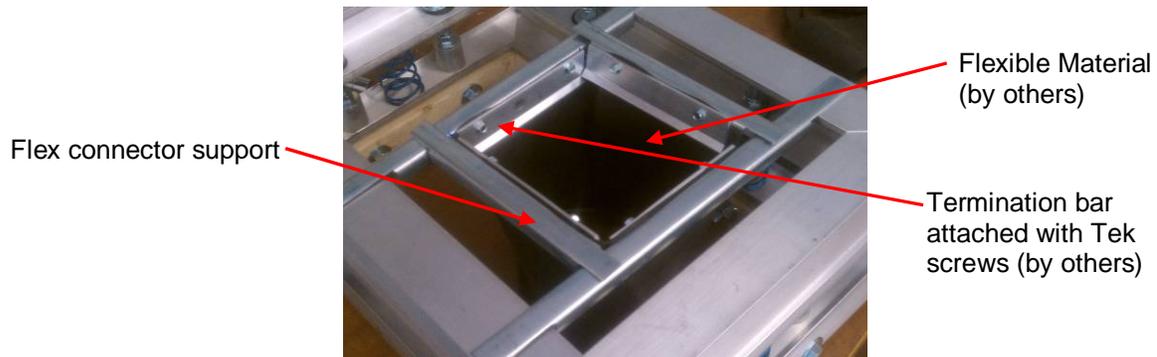
- Attach rails B and D to the roof curb using the 3/8" mounting bolts (do NOT fully tighten bolts).
- Attach the corner brackets already installed to rails B and D to rails A and C using the #14 by 1" Tek screws.



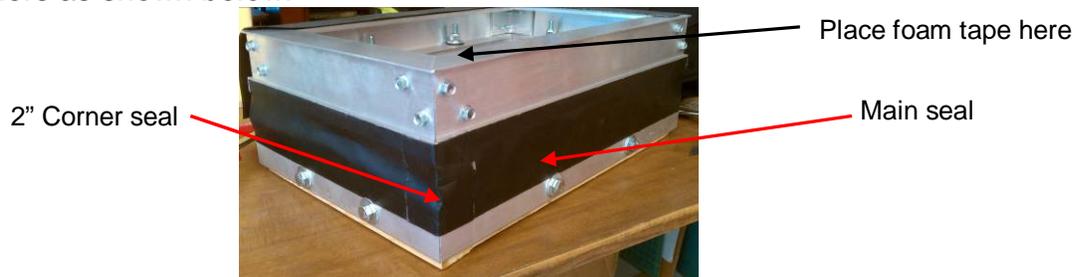
- Now tighten all of the 3/8" curb attachment bolts and nuts.
- Installing flex connector supports if require for your unit.
 - Refer to the submittal drawing for exact location of the supports.
 - Once the supports have been place correctly on the top rail of the VIR assembly use a flexible material such as canvas or rubber (provided by others) sheet to connect the flex support to the mating duct work.



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12. For each corner use the 2" wide seal material to completely cover the corners as shown below.



13. As in step 4, place the remaining neoprene foam tape on the top surface of the VIR to ensure a good seal between the unit and the isolation rail.

14. Placing the unit on the VIR:

- Check to ensure the top of the VIR is level.
- Double check that everything is installed per the installation instructions and the submittal data.
- Check if there is any gasket material on the unit where it contacts the VIR. If there is, this material will need to be removed for a proper installation.
- Position the air handling unit above the VIR before lowering the unit. Ensure it is level. Lower the unit very slowly.
- Once the unit is resting completely on the VIR, check to ensure the unit is level before detaching it from the crane.
- Attach the unit to the VIR using the unit manufactures specifications.

15. Trouble shooting installation.

- If the unit is not sitting level, mark where the unit is sitting the lowest.
- Have the crane lift the unit back up.
- Install the additional springs in the location that was sitting the lowest.
- Place the unit back on the VIR and ensure it is sitting level.

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